

06/27/03

17364 U.S. PTO

UTILITY PATENT APPLICATION TRANSMITTAL (Small Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No.
12423-3

Total Pages in this Submission
31

15757 \$ PTO
10/508873

06/27/03

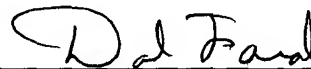
Fee Calculation and Transmittal

CLAIMS AS FILED

For	#Filed	#Allowed	#Extra	Rate	Fee
Total Claims	10	- 20 =	0	x \$9.00	\$0.00
Indep. Claims	2	- 3 =	0	x \$42.00	\$0.00
Multiple Dependent Claims (check if applicable) <input type="checkbox"/>					\$0.00
BASIC FEE					\$375.00
OTHER FEE (specify purpose) _____					\$0.00
TOTAL FILING FEE					\$375.00

- ☐ A check in the amount of _____ to cover the filing fee is enclosed.
- ☒ The Director is hereby authorized to charge and credit Deposit Account No. 19-2090 as described below.
- ☒ Charge the amount of \$375.00 as filing fee.
 - ☒ Credit any overpayment.
 - ☒ Charge any additional filing fees required under 37 C.F.R. 1.16 and 1.17.
 - ☐ Charge the issue fee set in 37 C.F.R. 1.18 at the mailing of the Notice of Allowance, pursuant to 37 C.F.R. 1.311(b).

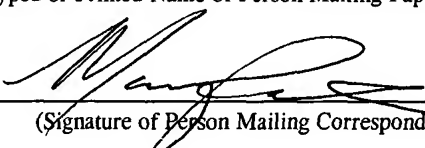
Dated: June 27, 2003



Signature

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CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)			Docket No. 12423-3	
Serial No. To be assigned	Filing Date June 27, 2003	Examiner To be assigned	Group Art Unit To be assigned	
Inventor(s): FLETCHER, Hansel M.				
Invention: NON-VIRULENT <i>PORPHYROMONAS GINGIVALIS</i> MUTANT				
<p>I hereby certify that the following correspondence:</p> <ol style="list-style-type: none"> 1. Utility Patent Application Transmittal (Small Entity) 2. United States Utility Patent Application (18 pages Disclosure, 1 page Claims, and 1 page Abstract) 3. 7 Sheets of Drawings (Figures 1-9) 4. Acknowledgment Postcard <p>is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. § 1.10 in an envelope addressed to: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on: <u>June 27, 2003</u></p> <p style="text-align: center;">(Date)</p>				
<div style="text-align: right;"> <u>Marilyn Paik</u> (Typed or Printed Name of Person Mailing Paper or Fee) </div>				
<div style="text-align: right;">  (Signature of Person Mailing Correspondence) </div>				
<div style="text-align: right;"> EV247106424US </div>				
<div style="text-align: right;"> <u>EV 247106424 US</u> ("Express Mail" Mailing Label No.) </div>				

**UTILITY PATENT APPLICATION TRANSMITTAL
(Small Entity)***(Only for new nonprovisional applications under 37 CFR 1.53(b))*Docket No.
12423-3Total Pages in this Submission
31**TO THE COMMISSIONER FOR PATENTS**Mail Stop Patent Application
P.O. Box 1450
Alexandria, VA 22313-1450

Transmitted herewith for filing under 35 U.S.C. 111(a) and 37 C.F.R. 1.53(b) is a new utility patent application for an invention entitled:

NON-VIRULENT PORPHYROMONAS GINGIVALIS MUTANT

and invented by:

FLETCHER, Hansel M.If a **CONTINUATION APPLICATION**, check appropriate box and supply the requisite information:

- ☒ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: 09/762,618,
now United States Patent 6,585,977, Which is a: **35 U.S.C. §371 national phase filing of PCT/US99/18197**, Which is a:
- ☒ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: 09/133,089
now United States Patent **US 6,254,863**; And the present application is a:
- ☒ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: 09/803,766
now United States Patent **6,586,227**

Enclosed are:

Application Elements

1. ☒ Filing fee as calculated and transmitted as described below
2. ☒ Specification having 20 pages and including the following:
 - a. ☒ Descriptive Title of the Invention
 - b. ☒ Cross References to Related Applications *(if applicable)*
 - c. ☐ Statement Regarding Federally-sponsored Research/Development *(if applicable)*
 - d. ☐ Reference to Sequence Listing, a Table, or a Computer Program Listing Appendix
 - e. ☒ Background of the Invention
 - f. ☒ Brief Summary of the Invention
 - g. ☒ Brief Description of the Drawings *(if filed)*
 - h. ☒ Detailed Description
 - i. ☒ Claim(s) as Classified Below
 - j. ☒ Abstract of the Disclosure

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(Small Entity)

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Application Elements (Continued)

3. ☒ Drawing(s) (when necessary as prescribed by 35 USC 113)
- a. ☒ Formal Number of Sheets 7
- b. ☐ Informal Number of Sheets _____
4. ☐ Oath or Declaration
- a. ☐ Newly executed (original or copy) ☐ Unexecuted
- b. ☐ Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional application only)
- c. ☐ With Power of Attorney ☐ Without Power of Attorney
- d. ☐ DELETION OF INVENTOR(S)
Signed statement attached deleting inventor(s) named in the prior application,
see 37 C.F.R. 1.63(d)(2) and 1.33(b).
5. ☐ Incorporation By Reference (usable if Box 4b is checked)
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.
6. ☐ CD ROM or CD-R in duplicate, large table or Computer Program (Appendix)
7. ☐ Application Data Sheet (See 37 CFR 1.76)
8. ☐ Nucleotide and/or Amino Acid Sequence Submission (if applicable, all must be included)
- a. ☐ Computer Readable Form (CFR)
- b. ☐ Specification Sequence Listing on:
- i. ☐ CD-ROM or CD-R (2 copies); or
- ii. ☐ Paper
- c. ☐ Statement(s) Verifying Identical Paper and Computer Readable Copy

Accompanying Application Parts

9. ☐ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(B) Statement (when there is an assignee)
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure Statement/PTO-1449 ☐ Copies of IDS Citations
13. ☐ Preliminary Amendment
14. ☐ Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s) (if foreign priority is claimed)
16. ☒ Certificate of Mailing
- ☐ First Class ☒ Express Mail (Specify Label No.): EV 247106424 US

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☐ (Optional) Small Entity Statement(s) - Specify Number of Statements Submitted: _____

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P01USML/REV06